



# Construction and Demolition Debris Management Plan



## Pre-Project

Complete this form before obtaining a building or demolition permit. Submit this form and your performance guarantee to the Department of Public Works Building Counter when paying permit fees.

### Part 1

Permit # \_\_\_\_\_ Project Name (If applicable) \_\_\_\_\_

Project Location \_\_\_\_\_  
Address (Cross Street, Floor, Suite, etc) \_\_\_\_\_ City \_\_\_\_\_ Zip \_\_\_\_\_

Contact Name \_\_\_\_\_ Company Name \_\_\_\_\_

Mailing Address \_\_\_\_\_  
Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_ Email \_\_\_\_\_

Type of Project (check all that apply):  
☐ New Construction ☐ Demolition ☐ Renovation ☐ Re-roof ☐ Land Clearing ☐ Single  
☐ Multi-family-Proposed Units \_\_\_\_\_ ☐ Tract Home-Proposed Total Build Out \_\_\_\_\_ ☐ Other \_\_\_\_\_

Estimated Start Date \_\_\_\_\_ Estimated Completion Date \_\_\_\_\_ Project Square Footage \_\_\_\_\_

### Part 2: Pre-Project Debris Handling Estimates

Identify how the materials generated by the project listed in Part 1 will be handled. You may include estimated debris quantities tons or cubic yards. Use the attached Materials Conversion Table to convert volumes to tons.

**Requirement** - Reduce the quantity of materials disposed at landfills by 90% for inerts and 50% for the rest (determined by weight).

Pre-Project Identify Materials (estimate amount by weight)					
	Material Type	Recycle	Salvage or Onsite Reuse	Dispose	Handling Procedure, Hauler or Final Destination for Materials
Inerts	Asphalt & Concrete				
	Brick/Masonry/Tile				
	Dirt				
	Mixed Inerts <sup>1</sup>				
	<b>Total Inert</b>				
Other Materials	Cabinets, Doors, Fixtures, Windows (circle all that apply)				
	Cardboard				
	Carpet				
	Padding/Foam (carpet)				
	Ceiling Tile (acoustic)				
	Drywall (used)				
	Drywall (new, unpainted or scrap)				
	Landscaping (brush, trees, stumps, etc.)				
	Mixed Recyclables <sup>1</sup>				
	Roofing Materials				
	Scrap Metal				
	Stucco, Cement (no wire)				
	Unpainted Wood & Pallets				
	Trash				
	Other (describe)				
<b>Total Other</b>					
<b>Total Inert + Other</b>					

### Notes

- (1) Mixed items must be taken to an approved mixed processing facility.  
(2) Asbestos, hazardous debris, treated wood, contaminated soil and other restricted materials require special handling.

County of San Diego

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Solid Waste Planning and Recycling  
Electronic Version Available at [www.sdcdpw.org/recycling](http://www.sdcdpw.org/recycling)

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**Part 3: Infeasibility Exemption**

Complete this form if it is infeasible for your project to comply with all of the requirements set forth by the County.

"Infeasible" means that there is no recycling, salvage, or construction demolition inert processing (CDI) center or onsite reuse options for all or part of the debris a project will generate within a 50 mile radius of the project area, the location(s) from which the applicant regularly operates its business, or stores its construction or demolition equipment.

Use the following space to explain why your project should be considered exempt from the County's Debris Management Plan requirements.


Bring completed form with performance security to County of San Diego  
 Department of Public Works Planning Counter  
 5201 Ruffin Road  
 Suite B  
 San Diego, CA 92123

I certify under penalty of perjury under the laws of the State of California that the information provided in and with this form pertains to construction and demolition debris generated only from the project listed in Part 1, that I have reviewed the accuracy of the information, and that the information is true and correct to the best of my knowledge and belief.

Name \_\_\_\_\_ Title \_\_\_\_\_  
 Signature \_\_\_\_\_ Date \_\_\_\_\_

**For information on these forms call County of San Diego Solid Debris Planning and Recycling Section at (858) 874-4038.**

**To find a list of recycling centers call 1-877-R-1-EARTH (1-877-713-2784) or [www.sdcdpw.org/recycling](http://www.sdcdpw.org/recycling)**

**To be Completed by County Staff**

Debris Management Plan ☐ Approved ☐ Disapproved

Date \_\_\_\_\_

Staff \_\_\_\_\_

Infeasibility Exemption ☐ Approved ☐ Disapproved

Date \_\_\_\_\_

Staff \_\_\_\_\_

Security Deposit Paid \$ \_\_\_\_\_

Date \_\_\_\_\_

Staff \_\_\_\_\_



# Construction and Demolition Debris Management Plan



## Quarterly Submittal Form

Submit quarterly from when construction or demolition begins until completion of project.

### Due Dates:

January-March due April 15  
April to June due July 15

July - September due October 15  
October - December due January 15

#### Part 1

Permit # \_\_\_\_\_ Project Name (If applicable) \_\_\_\_\_

Project Location \_\_\_\_\_

Address (Cross Street, Floor, Suite, etc) \_\_\_\_\_ City \_\_\_\_\_ Zip \_\_\_\_\_

Contact Name \_\_\_\_\_ Company Name \_\_\_\_\_

Mailing Address \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_ Email \_\_\_\_\_

#### Part 2

**Step 1** - Input the time period for this report.

**Step 2** - Fill out number of tons for all Construction & Demolition debris from the project in the past 30-days. Use the attached Materials Conversion Table to convert volumes to tons.

		Quarterly-Project Actual (TONS)					
		Time Period (ex: 3/1/07 to 3/31/07)					
	Material Type	TOTAL Debris Quantity	Recycled	Salvaged or Reused Onsite	Disposed	Handling Procedure Hauler or Final Destination for Materials	County Use Only Receipt or other proof (staff initials)
<b>Inerts</b>	Asphalt & Concrete						
	Brick/Masonry/Tile						
	Dirt						
	Mixed Inerts <sup>1</sup>						
	<b>Total Inert</b>						
<b>Other Materials</b>	Cabinets, Doors, Fixtures, Windows (circle all that apply)						
	Cardboard						
	Carpet						
	Padding/Foam (carpet)						
	Ceiling Tile (acoustic)						
	Drywall (used)						
	Drywall (new, unpainted or scrap)						
	Landscaping (brush, trees, stumps, etc.)						
	Mixed Recyclables <sup>1</sup>						
	Roofing Materials						
	Scrap Metal						
	Stucco, Cement (no wire)						
	Unpainted Wood & Pallets						
	Trash						
	Other (describe)						
<b>Total Other</b>							
<b>Total Inert + Other</b>							

#### Notes

(1) Mixed items must be taken to an approved mixed processing facility.

(2) Asbestos, hazardous debris, treated wood, contaminated soil and other restricted materials require special handling.

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Solid Waste Planning and Recycling

Electronic Version Available at [www.sdcdpw.org/recycling](http://www.sdcdpw.org/recycling)

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Send completed form and all documentation to:

County of San Diego  
Solid Waste Planning and Recycling  
Attn: C&D Recycling Coordinator  
5469 Kearny Villa Road, Suite 305  
San Diego, CA 92123

I certify under penalty of perjury under the laws of the State of California that the information provided in and with this form pertains to construction and demolition debris generated only from the project listed in Part 1, that I have reviewed the accuracy of the information, and that the information is true and correct to the best of my knowledge and belief.

Name \_\_\_\_\_

Signature \_\_\_\_\_

Date \_\_\_\_\_

**For information on these forms call County of San Diego Solid Debris Planning and Recycling Section at (858) 874-4038.**

**To find a list of recycling centers call 1-877-R-1-EARTH (1-877-713-2784) or [www.sdcdpw.org/recycling](http://www.sdcdpw.org/recycling)**



# Construction and Demolition Debris Management Plan



## Final Submittal Form Complete this form to request your refund.

### Part 1

Permit # \_\_\_\_\_ Project Name (If applicable) \_\_\_\_\_

Project Location \_\_\_\_\_

Address (Cross Street, Floor, Suite, etc) \_\_\_\_\_ City \_\_\_\_\_ Zip \_\_\_\_\_

Contact Name \_\_\_\_\_ Company Name \_\_\_\_\_

Mailing Address \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_ Email \_\_\_\_\_

Estimated Start Date \_\_\_\_\_ Estimated Completion Date \_\_\_\_\_ Final Project Square Footage \_\_\_\_\_

### Part 2

Report how the materials generated by the project were handled, using actual tonnages. Use the attached Materials Conversion Table to convert volumes to tons.

**Requirement -** Reduce the quantity of materials disposed at landfills by 90% for inerts and 50% for the rest (determined by weight).

Step 2 Post-Project Actual (TONS) (To be filled out at completion of project)						
	Material Type	TOTAL Debris Quantity	Recycled	Salvaged or Reused Onsite	Disposed	County Use Only Receipt or other proof (staff initials)
Inerts	Asphalt & Concrete					
	Brick/Masonry/Tile					
	Dirt					
	Mixed Inerts <sup>1</sup>					
	<b>Total Inert</b>	<b>A</b>			<b>B</b>	
Other Materials	Cabinets, Doors, Fixtures, Windows (circle all that apply)					
	Cardboard					
	Carpet					
	Padding/Foam (carpet)					
	Ceiling Tile (acoustic)					
	Drywall (used)					
	Drywall (new, unpainted or scrap)					
	Landscaping (brush, trees, stumps, etc.)					
	Mixed Recyclables <sup>1</sup>					
	Roofing Materials					
	Scrap Metal					
	Stucco, Cement (no wire)					
	Unpainted Wood & Pallets					
	Trash					
	Other (describe)					
	<b>Total Other</b>	<b>C</b>		<b>D</b>		
	<b>Total Inert + Other</b>					

### Notes

- (1) Mixed items must be taken to an approved mixed processing facility.
- (2) Asbestos, hazardous debris, treated wood, contaminated soil and other restricted materials require special handling.

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**Part 3****Diversion Calculations****Inert Materials**

Using the worksheet in Part 2, fill in the blanks below to determine if the project meets the requirement to reduce inert material debris by 90%.

$$\text{Disposal \%} = \frac{\text{Total B}}{\text{Total A}} \times 100 = \text{disposal \%}$$

$$\text{Diversion \%} = 100\% - \text{disposal \%} = \text{diversion \%}$$

Is the diversion percentage greater than or equal to 90%? If NO, explain why:

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**Other Materials**

Using the worksheet in Part 2, fill in the blanks below to determine if the project meets the requirement to reduce other material debris by 50%.

$$\text{Disposal \%} = \frac{\text{Total D}}{\text{Total C}} \times 100 = \text{disposal \%}$$

$$\text{Diversion \%} = 100\% - \text{disposal \%} = \text{diversion \%}$$

Is the diversion percentage greater than or equal to 50%? If NO, explain why:

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**Part 4****Final Plan Submittal and Refund Request**

Send completed form and all documentation to:

County of San Diego  
Solid Waste Planning and Recycling  
Attn: C&D Recycling Coordinator  
5469 Kearny Villa Road, Suite 305  
San Diego, CA 92123

**Applicants must submit refund requests within 180 days following issuance of certificate of occupancy. Requests submitted after 180 days will not be eligible for a refund. Refunds will not be issued if all requested information and documentation is not provided. Refunds will be mailed within 30 days following receipt of all proper forms and documentations.**

**Section A**

I certify under penalty of perjury under the laws of the State of California that the information provided in and with this form pertains to construction and demolition debris generated only from the project listed in Part 1, that I have reviewed the accuracy of the information, and that the information is true and correct to the best of my knowledge and belief.

Name \_\_\_\_\_ Title \_\_\_\_\_  
Signature \_\_\_\_\_ Date \_\_\_\_\_

**Section B**

Complete this part only if the refund check is sent to a different person and address than that listed in Part 1. By signing my name, I hereby direct the C&D refund for this project to be sent to the person listed in Section C below.

**Section C**

Send refund to: Name \_\_\_\_\_ Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

**For information on these forms call County of San Diego Solid Debris Planning and Recycling Section at (858) 874-4038.**

**To find a list of recycling centers call 1-877-R-1-EARTH (1-877-713-2784) or [www.sdcdpw.org/recycling](http://www.sdcdpw.org/recycling)**

**To be Completed by County Staff**

Recycling Refund Paid \$ \_\_\_\_\_ Date \_\_\_\_\_ Staff \_\_\_\_\_

☐ Full Compliance ☐ Good Faith Effort ☐ Non-Compliance

Solid Waste Planning and Recycling

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# Construction and Demolition Debris Management Plan



## Sample Daily Log

Date: \_\_\_\_/\_\_\_\_/\_\_\_\_ to \_\_\_\_/\_\_\_\_/\_\_\_\_

## Materials

Inerts
Asphalt & Concrete
Brick/Masonry/Tile
Dirt
Mixed Inerts <sup>1</sup>

Other Materials	
Cabinets, Doors, Fixtures, Windows	Mixed Recyclables <sup>1</sup>
Cardboard	Roofing Materials
Carpet	Scrap Metal
Padding/Foam (carpet)	Stucco, Cement (no wire)
Ceiling Tile (acoustic)	Unpainted Wood & Pallets
Drywall (used)	Trash
Drywall (new, unpainted or scrap)	Other (describe)
Landscaping (brush, trees, stumps, etc.)	

(1) Mixed items must be taken to an approved mixed processing facility.

(2) Asbestos, hazardous debris, treated wood, contaminated soil and other restricted materials require special handling.

Date	Material Type	TOTAL Debris Quantity	Salvage, Reuse, or Recycled	Disposal	Hauler	Final destination for materials
	Total					

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## Materials Conversion Table - Separated Materials (Total Quantity Discarded)



This worksheet lists materials typically generated from a construction or demolition project and provides formulas for converting common units (i.e., cubic yards, square feet, and board feet) to tons. It should be used for preparing your Debris Management Plan, which requires that quantities be provided in tons.

### Step 1

Enter the estimated quantity for each applicable material in Column I, based on units of cubic yards (cy), square feet (sq ft), or board feet (bd ft).

### Step 2

Multiply by Tons/Unit figure listed in Column II. Enter the result for each material in Column III. If using Excel version, column III will automatically calculate tons.

### Step 3

**Enter quantities for each separated material from Column III on this worksheet into the corresponding section of your Debris Management Plan.**

For your final calculations, use the actual quantities, based on weight tags, gate receipts, or other documents.

<u>Category</u>	<u>Material</u>	<u>Column I</u>			<u>Column II</u>		<u>Column III</u>
		<u>Volume</u>	<u>Unit</u>		<u>Tons/Unit</u>		<u>Tons</u>
Asphalt/Concrete	Asphalt (broken)	_____	cy	x	0.7	=	_____
	Concrete (broken)	_____	cy	x	1.2	=	_____
	Concrete (solid slab)	_____	cy	x	1.2975	=	_____
Brick/Masonry/Tile	Brick (broken)	_____	cy	x	0.7	=	_____
	Brick (whole, palletized)	_____	cy	x	1.512	=	_____
	Masonry Brick (broken)	_____	cy	x	0.6	=	_____
	Tile	_____	sq ft	x	0.00175	=	_____
Building Materials (doors, windows, cabinets, etc.)		_____	cy	x	0.15	=	_____
Cardboard (flat)		_____	cy	x	0.05	=	_____
Carpet	By square foot	_____	sq ft	x	0.0005	=	_____
	By cubic yard	_____	cy	x	0.3	=	_____
Carpet Padding/Foam		_____	sq ft	x	0.000125	=	_____
Ceiling Tiles	Whole (palletized)	_____	sq ft	x	0.0003	=	_____
	Loose	_____	cy	x	0.0875	=	_____
Drywall (new or used)	1/2" (by square foot)	_____	sq ft	x	0.0008	=	_____
	5/8" (by square foot)	_____	sq ft	x	0.00105	=	_____
	Demo/used (by cubic yd)	_____	cy	x	0.25	=	_____
Earth	Loose/Dry	_____	cy	x	1.2	=	_____
	Excavated/Wet	_____	cy	x	1.3	=	_____
Landscape Debris (brush, trees, etc)		_____	cy	x	0.15	=	_____
Mixed Debris	Construction	_____	cy	x	0.18	=	_____
	Demolition	_____	cy	x	1.19	=	_____
Scrap metal		_____	cy	x	0.51	=	_____
Unpainted Wood & Pallets	By board foot	_____	bd ft	x	0.001375	=	_____
	By cubic yard	_____	cy	x	0.15	=	_____
Garbage/Trash		_____	cy	x	0.175	=	_____
<b>Total All</b>							_____

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## Construction and Demolition Debris Management Plan



### Standardized Generation Rates

These generation rates should be used by applicants preparing Debris Management Plans for construction, renovation, and demolition projects to estimate the quantity of construction and demolition debris that will be generated.

Type of project	C&D Debris (lb/sqft)	X	sqft/unit	X	#of units	=	Total Debris (lb)	X	2000	Total Tons
<b>Construction Projects</b>										
Single family home	4.6									
Multifamily	4									
Commercial	3.9									
Grading/site preparation										
<b>Demolition Projects</b>										
Single family home (w/o basement)	50									
Single family home (w/concrete basement)	111									
Multifamily	127									
Commercial	155									
Parking lot/driveways, etc.										
Grading/site preparation										
<b>Renovation projects - residential</b>										
Kitchen (minor)	0.75									
Kitchen (major)	4.5									
Baths (minor)	0.25									
Baths (major)	1									
Room additions	0.75									
Driveway/walkway										